



Personal Care Ingredients



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SPEC-CHEM GROUP



We offer range of high-qualified, safe and Eco-friendly ingredients including:

- Beauty peptides
- Whitening & skin care
- Anti-ageing & moisturizing
- Sunless tanning agents
- Preservative alternatives
- Hair care & conditioners
- Herb extracts
- Surfactants

Spec-Chem Group Members



SPEC-CHEM INDUSTRY

Spec-Chem Industry Inc. was founded in 1995, well certified by ISO 9001:2008, ISO14001:2015 and SA8000:2014. We manufacture beauty peptides, fermentation ingredients, chemical synthetic ingredients and plants extract. With over 24 years' experience in cosmetics ingredients, we professionally provide solutions onto formulations based on both in-vitro and in-vivo technical support.

Corporate belief: Better Quality, Better Service, Better future.

4 In-house R & D Centers (including 1 Quality Center)

Ingredients R&D Center

- Research
- Development
- Analysis
- Custom-made

Peptide R&D Center

- Cosmetic Peptides
- API Peptides
- Synthetic Peptides
- Custom made Peptides

Quality Tests Center

- HPLC
- GC
- AAS
- LC-MS
- MIC

Application Research Center

- Functions studies
- Clinical studies
- Safety tests
- Formulation guides

4 Production Wings

- GMP Standard Peptide Center
- Fermentation Plant
- Plant Extract Lab
- Chemical synthesis Plant

INNOVATION

Invention Patents(accepted in application process)

No.	Patents Name	Patents Type	Applied Country	Application No.	Applied date
1	A synthesis method of ascorbic acid four-palmitic acid ester	Invention patent		2017111029416	2017/11/9
2	A preparation method of 4-alkyl diphenyl phenol	Invention patent		2017110338319	2017/10/27
3	A dipeptide compound and its application	Invention patent		2017109922179	2017/10/20
4	Natural broad-spectrum anticorrosion compositions containing grapefruit seed extracts and their applications	PCT Invention patent		PCT/CN2016/073395	2017/12/22
5	A coupling peptide chain for dissolving insoluble polypeptides and its application in separation and purification in liquid chromatography	PCT Invention patent		PCT/CN2016/073393	2017/12/22

PCHi TECHNOLOGY INNOVATION Awards



PATENTS

2 Invention Patents 8 New Utility Patents



R&D TECHNICIANS

- A skilled and motivated team of professionals, senior scientists, Ph.D;
- Biological engineering, plant extract, peptides and chemical synthesis graduates with strong backgrounds;
- More than a decade of dedication to research and development continually enabling the innovation of new technologies, application to products.



Prof. Li Xingang

- Technical director
- Associate professor
- Over 36 years in plant extract field
- Published papers and books in professional chemistry field



Dr. Xie Guangrong

- Doctor China Pharmaceutical University
- Director of R&D Center
- In charge of epidermal cell growth factor(EGF), acid fibroblast growth factor(aFGF), basic fibroblast growth factor (bFGF), keratinocyte growth factor (KGF, etc) projects



QC in charge, Zheng

Spec-Chem exemplifies to the strictest criteria of ISO 9001:2008 requirements in all staff and equipment.

R&D FACILITIES



Function Studies-Efficacy Test Center

EYE EFFICACY

- Anti-eye bag
- Anti-wrinkle

SKIN EFFICACY

- Whitening & Lightening
- Tanning
- Anti-spot
- Anti-acne

HAIR EFFICACY

- Hair care
- Hair growth
- Hair care
- Hair gloss

Overview of clinical trials

Anti-wrinkle test:

- Skin surface analysis
- Skin elasticity
- Wrinkle volume - 3d imaging

Whitening and spot testing:

- Skin brightness, gloss, smoothness
- Spot

Skin moisture and oil control test:

- Skin hydration
- Trans epidermal water loss
- Skin oil secretion

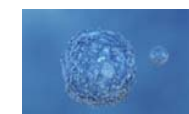
Acne removing test:

- Wrinkle volume - 3d imaging
- Skin oil secretion

Volunteer team: 500 people

the In vivo test cycle is 56 days, and up to 3 In vivo tests can be conducted at the same time, with the number of people in each test ranging from 15 to 60.

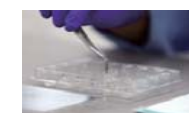
In vitro Tests SAFETY



Non-select cytotoxicity predictive



CAMVA



BCOP



3D Episkin

SPEC-CHEM GROUP MANUFACTURING SITES

Ji'ning Spec-Chem New Materials Co. Ltd



Peptide synthesis

- Copper peptide
- Tripeptide
- Tetrapeptide
- Pentapeptide
- Hexapeptide
- Custom Made Products



Chemical synthesis

- Piroctone Olamine
- Tranexamic acid
- Ethyl ascorbic acidc
- etc



Plant extract

- Poria Cocos extract
- Ginkgo Biloba Extract
- SpecAWK® Plus
- Licorice extract
- BamBoo charcoal



Fermentation

- EGF(sh-oligopeptide-1)
- 1,3-Dihydroxyactone
- Ascorbyl Glucoside
- etc

QUALITY CONTROL CENTER



ISO9001:2015

Products catalogue

	Code	Product Name	Product Name
Whitening &Skin care	110001	SpecWhite® ABT	β-Arbutin
	110002	SpecWhite® 02	Ascorbyl Glucoside
	110003	SpecWhite® 03	α-Arbutin
	110005	SpecWhite® 05	2-oxothiazolidine-4-carboxylic acid
	110006	SpecWhite® EA	Ellagic acid
	110007	SpecWhite® EDA	Endothelin antagonists
	110008	SpecWhite® VCE(P&C)	Ethyl ascorbic acid-powder&crystal
	110009	SpecWhite® KA	Kojic acid
	110010	SpecWhite® DL-MA	DL-Mandelic Acid
	110010-1	SpecWhite®DL-MA	DL-Mandelic Acid(Cosmetic grade)
	110011	SpecWhite® FA	Ferulic Acid
	110011-1	SpecWhite® NFA	Ferulic Acid(Natural sources)
	110012	SpecWhite® KAD	Kojic acid dipalmitate
	110013	SpecWhite® MAP	Magnesium ascorbyl phosphate
	110014	SpecWhite® AP	Ascorbyl Palmitate
	110015	SpecWhite® TA	Tranexamic acid
	110016	SpecWhite® Plus	SpecWhite™ Plus
	110017-1	SpecWhite® G40	Glabridin 40
	110017-2	SpecWhite® G90	Glabridin 90
	110017-3	SpecWhite® G20	Glabridin 20
	110017-4	SpecWhite® G02	Glabridin 02(water solution)
	110018	SpecWhite® VAC	Vitamin A Acetate
	110019	SpecKare™ RRT	Release Retinol
	110020	SpecWhite® DABT	Deoxyarbutin
	110021-1	SpecWhite® PLGA99	Glycolic acid(99%)
	110021-2	SpecWhite® PLGA70	Glycolic acid(70%)
	110022	SpecWhite® AI	Ascorbyl Isostearate
	110023	SpecWhite® SAP	Sodium Ascorbyl Phosphate
	110024	SpecWhite® VB3	Nicotinamide
	110025	SpecKare® NK2	Dipotassium Glycyrrhizate
	110025-1	SpecKare® NK2(H73)	Dipotassium Glycyrrhizate
	110026	SpecKare® GSH	Reduced Glutathione
	110027	SpecKare® ADSN	Adenosine
	110028-1	SpecKare® BCP5	Bamboo charcoal(5000mesh)
	110028-2	SpecKare® BCP3	Bamboo charcoal(3000mesh)
	110028-3	SpecKare® BCP Super	Bamboo charcoal(12000mesh)



Products catalogue

Code	Product Name	Product Name
110028-4	SpecKare® BCP1	Bamboo charcoal(1000mesh)
110028-5	SpecKare® BCP02	Bamboo charcoal(200mesh)
110028-6	SpecKare® WAC02	Wood activited charcoal powder
110028-7	SpecKare® CAC3	cocoanut active charcoal powder
110028-8	SpecKare® WCB	White charcoal bead
110028-9	SpecKare® BCB	Black charcoal bead
110028-10	SpecKare® ABC3	Activated binchotan charcoal(3000mesh)
110028-11	SpecKare® CAC02	cocoanut active charcoal powder(200mesh)
110028-12	SpecKare® CAC1	cocoanut active charcoal powder(1000mesh)
110028-13	SpecKare® BCP WD0.9	Water dispersible bamboo charcoal powder(D50=0.9)
110028-14	SpecKare® BCP WD6.5	Water dispersible bamboo charcoal powder(D50=6.5)
110028-15	SpecKare® BCP WD10	Water dispersible bamboo charcoal powder(D50=10)
110028-16	SpecKare® BCP OD0.9	Oil dispersible bamboo charcoal powder(D50=0.9)
110028-17	SpecKare® WCP OD1.5	Oil dispersible wood charcoal powder(D50=1.5)
110028-18	SpecKare® Binchotan	Binchotan charcoal(3000mesh)
110028-19	SpecKare® SuperBinchotan	Binchotan charcoal(12000mesh)
110029	SpecWhite® NSLA	Sodium Salicylate
110030	SpecWhite® SLA	Salicylic Acid
110030-1	SpecWhite® SLA(natural)	Salicylic Acid(natural)
110031	SpecWhite® 4MSP	Potassium 4-methoxysalicylate
110033	SpecKare® ALA	Azelaic acid
110034	SpecKare® LBA	lactobionic acid
110035	SpecWhite® ATP	Ascorbyl tetraisopalmitate
110036	SpecWhite® 4BR	4-n-butylresorcinol
110037	SpecWhite® GA	18-Beta Glycyrrhetinic Acid
110038	SpecWhite® GA100	Glycyrrhiza glabra, Dipotassium glycyrrhizinate, Aloe vera leaf extract, Gamellia sinensis o.ktze, Cortex mori extract
110039	SpecWhite® SG	Stearyl Glycyrrhetinate
110040	SpecKare® GlyAA	Glycyrrhizic Acid A
110041	SpecKare™ OXL	Oxaceprol(Acetyl Hydroxyproline)
110042	SpecKare™ CSA	Capryloyl salicylic acid
110043	SpecWhite® VC	Vitamin C
110043	SpecKare™ PTSS	Phytosphingosine
110044	SpecWhite® White Shiitake SP	Lentinus Edodes Mycelium Extract
110045	SpecKare™ Tr-41 Encap	Tripeptide-41 nanoliposomes

Products catalogue

	Code	Product Name	Product Name
Anti-aging & Moisturizing	120001	SpecKare® CMD-E	Ceramide-E
	120001-1	SpecKare® Aqua CMD	Aqua Ceramide
	120002-1	SpecKare® HA	Sodium Hyaluronate(powder)
	120002-2	SpecKare® HA Plus	Sodium Hyaluronate(powder)
	120002-3	SpecKare® HAL	Sodium Hyaluronate(1%Liquid)
	120002-4	SpecKare® HAE TL100	Hyaluronic acid Elastomer TL100(Liquid)
	120002-5	SpecKare® OD-HA	Oil-dispersed Sodium Hyaluronate
	120003	SpecKare® BHTT	N-n-butyl, 1-Phenyl-1H-tetrazole-5-thiocarbmate
	120004	SpecKare® VAP 170	RETINYL PALMITATE(1.7M oil)
	120004-1	SpecKare® VAP 25	RETINYL PALMITATEe(250CWS)
	120004-2	SpecKare® VAP 50	RETINYL PALMITATE(500CWS)
	120005	SpecKare® TRHL	Trehalose
	120005-1	SpecKare® TRHL02	Trehalose(Cosmetic Grade)
	120006	SpecKare® CQ10	Coenzyme Q10
	120007	SpecKare® PULAN	Pullulan
	120008	SpecAWK® Plus	SpecAWK® Plus
	120009-1	SpecKare® ASTP(Regular)	Astaxanthin Powder(regular)
	120009-2	SpecKare® ASTE5	Astaxanthin Oil(5%)
	120009-3	SpecKare® ASTE10	Astaxanthin Oil(10%)
	120009-4	SpecKare® ASTP (water despersible)	Astaxanthin Powder(water despersible)
	120010	SpecKare® 7309	Caprylhydroxamic Acid
	120011	SpecKare® NADG	Acetyl glucosamine
	120012	SpecKare® VEA	Tocopheryl Acetate
	120013	SpecKare® ALLA	Allantion
	120014	SpecKare® NMF50	Betaine
	120015	SpecKare® PGA	γ-Polyglutamic acid(700KAD)
	120015-1	SpecKare® PGA	γ-Polyglutamic acid(2000KAD)
	120015-2	SpecKare® PGA	γ-Polyglutamic acid(800~1500Da)
	120016	SpecKare® PCAN	PCA-Na
	120017	SpecKare® BSA	Betaine Salicylate
	120018	SpecKare® BN	Benzyl Nicotinate
	120019	SpecKare® EyeS100	Poria cocos .ex, Acetyl Tetrapeptide-5, Dipeptide-2
	120020	SpecKare® DGH	D-Glucosamine HCl
	120021	SpecKare® ADP	Adenosine phosate
	120022	SpecKare® ARG	Arginine
	120023	SpecKare® BHT	BHT

Products catalogue

Code	Product Name	Product Name
120024		Cordyceps extract
120025	SpecKare® BC Peptide	Bovine Collagen Peptide
120026	SpecKare® GS2K	Glucosamine Sulfate 2KCl
120027	SpecKare® CSC Peptide	Chicken sternum collagen Peptide
120028	SpecKare® Glucan09	Oat Beta-Glucan
120029	SpecKare® AES	Algae Emollient Serum(Laminaria Digitata Extract)
120030	SpecKare® GlyG230	Glyceryl glucoside
120031		Vitamin E
120032	SpecKare® LC	Carnitine(L-Carnitine)
120033	SpecKare® BVH	Biotin
120034	SpecKare® DPA	D-Panthenol
120035	SpecKare® DCP	Calcium Pantothenate
120036	SpecKare® Resveratrol	Resveratrol
120036-1	SpecKare® Resveratrol(Natural)	Resveratrol(Natural)
120037	SpecKare® PCAZ	ZINC PCA
130001	sh-oligopeptide-1	sh-oligopeptide-1
130002	SpecPed® AH8P	Acetyl hexapeptide-8
130003	SpecPed® GCu21P	Copper peptide(GHK2- Cu)
130004	SpecPed® GCu11P	Copper peptide(GHK- Cu)
130005	SpecPed® ACu11P	Copper peptide(AHK- Cu)
130006	SpecPed® ACu21P	Copper peptide(AHK2- Cu)
130007	SpecPed® PT1P	Palmitoyl tripeptide-1(Pal-GHK)
130008	SpecPed® P4T7P	Palmitoyl tetrapeptide-7/3(Pal-GQPR)
130009	SpecPed® LCS	L-Carnosine
130010	SpecPed® AO3P	Acetyl Octapeptide-3(SNAP-8)
130012	SpecPed® PP4P	Palmitoyl pentapeptide-4/3
130013	SpecPed® POP	Palmitoyl Oligopeptide(Pal-VGVAPG)
130014	SpecPed® AP1P	Acetyl Pentapeptide-1
130015	SpecPed® P3T5P	Palmitoyl Tripeptide-5(PAL-KVK)
130017	SpecPed® AT5P	Acetyl Tetrapeptide-5
130018	SpecPed® MP17P	Myristoyl Pentapeptide-17
130019	SpecPed® MH16P	Myristoyl Hexapeptide-16
130020	SpecPed® PP18P	Pentapeptide-18
130021	SpecPed® BT1P	Biotinoyl Tripeptide-1
130022	SpecPed® PT38P	Palmitoyl Tripeptide-38
130023	SpecPed® SKE-P	Dipetide diaminobutyroyl Benzylamide diacetate

Beauty Peptides
Powder

Products catalogue

Code	Product Name	Product Name
130024	SpecPed® T30P	Tetrapeptide-30
130025	SpecPed® H2P	Hexapeptide-2
130026	SpecPed® N1P	Nonapeptide-1
130027	SpecPed® AH1P	Acetyl Hexapeptide-1
130028	SpecPed® AT3P	Acetyl Tetrapeptide-3
130029	SpecPed® AH38P	Acetyl Hexapeptide-38
130030	SpecPed® AO2P	Acetyl Octapeptide-2
130031	SpecPed® TR32P	Tripeptide-32
130032	SpecPed® AH49P	Acetyl Hexapeptide-49
130033	SpecPed® AT2P	Acetyl Tetrapeptide-2
130034	SpecPed® Sensi ADP	Acetyl dipeptide-1 cetyl ester
130035	SpecPed® H11P	Hexapeptide-11
130036	SpecPed® OL34P	Oligopeptide-34
130037	SpecPed® MD13P	Myristoyl Dipeptide-13
130038	SpecPed® AH11P	acetyl hexapeptide-11
130039	SpecPed® D2P	Dipeptide-2
130040	SpecPed® DE12P	Decapeptide-12
130041	SpecPed® AT40P	Acetyl Tetrapeptide-40
130042	SpecPed® T26P	Tetrapeptide-26
130043	SpecPed® PT20P	Palmitoyl tetrapeptide-20
130044	SpecPed® DE18P	Decapeptide-18
130045	SpecPed® DE28P	Decapeptide-28
130046	SpecPed® O54P	Oligopeptide-54
130047	SpecPed® O71P	Oligopeptide-71
130048	SpecPed® DE10P	Decapeptide-10
130049	SpecPed® CIT TR9P	Tripeptide-9 citrulline
130050	SpecPed® PP3P	Pentapeptide-3
130051	SpecPed® O24P	Oligopeptide-24
130052	SpecPed® PD6 DAHB	Palmitoyl Dipeptide-6 Diaminohydroxybutyrate
130053	SpecPed® AD3P	Acetyl Decapeptide-3
130054	SpecPed® AT11P	Acetyl Tetrapeptide-11
130056	SpecPed® PT28P	Palmitoyl Tripeptide-28
130057		Tripeptide-3, Snake-Tripeptide , Syn-AKE/Snake trippetide
130058	SpecPed® DE4P	Decapeptide-4



Products catalogue

Code	Product Name	Product Name
130059	SpecPed® CT3P	Caprooyl Tetrapeptide-3
130060	SpecPed® MO1P	Myristoyl Octapeptide-1
130061	SpecPed® H10P	Hexapeptide-10
130062	SpecPed® H3P	Hexapeptide-3
130063	SpecPed® CIT TR10P	Tripeptide-10 citrulline
130064	SpecPed® H9P	Hexapeptide-9
130065	SpecPed® CIT AT30P	Acetyl tripeptide-30 citruline
130066	SpecPed® DP	Dipeptide
130067	SpecPed® H2P	Hexapeptide-2
130068	SpecPed® H33P	Hexapeptide-33
130069	SpecPed® MUD16P	Methyl Undecenoyl Dipeptide-16
130070	SpecPed® MULP	Methyl Undecenoyl Leucinate
130071	SpecPed® O68P	Oligopeptide-68
130072	SpecPed® MT20P	Myristoyl Tetrapeptide-20
130073	SpecPed® DE23P	Decapeptide-23
130074	SpecPed® PT8P	Palmitoyl Tripeptide-8
130075	SpecPed® AT15P	Acetyl Tetrapeptide-15
130076	SpecPed® AT22P	Acetyl Tetrapeptide-22
130077	SpecPed® L-ANP	L-Anserine · nitrate
130078	SpecPed® AH37P	Acetyl Hexapeptide-37
130079	SpecPed® PT36P	Palmitoyl Tripeptide-36
130080	SpecPed® AMI AD3P	Acetyl dipeptide-3 aminohexanoate
130081	SpecPed® MT4P	Myristoyl Tetrapeptide-4
130082	SpecPed® Caf-GHK	Caffeoyl Tripeptide-1
130083	LZ1 peptide	LZ1 peptide
130084	SpecPed® MH23P	Myristoyl Hexapeptide-23
130085	SpecPed® Pal-Ile	Palmitoyl-Isoleucine-OH
130086	SpecPed® PP25P	Pentapeptide-25
130087	SpecPed® AH39P	Acetyl Hexapeptide-39
130088	SpecPed® TR41P	Tripeptide-41
130089	SpecPed® TR3P	Tripeptide-3
130090	SpecPed® MN-DM	Melanostatin DM
130091	SpecPed® CuT34P	Copper Tripeptide-34 HCl
130092	SpecPed® GHK	GHK Tripeptide-1
130093	SpecPed® Co-De BPS	Co-delivered Beauty Peptides
130094	SpecPed® N18P	Nonapeptide-18

Products catalogue

Code	Product Name	Product Name
135001	EGF Plus	sh-oligopeptide-1 (liquid)
135002	SpecPed® AEEP	SpecPed® AEEP
135003-1	SpecPed® SC-AH8(0.05%)	0.05%Acetyl hexapeptide-8(liquid)
135003-2	SpecPed® SC-AH8(0.1%)	0.1%Acetyl hexapeptide-8(liquid)
135003-3	SpecPed® SC-AH8(0.3%)	0.3%Acetyl hexapeptide-8(liquid)
135003-4	SpecPed® SC-AH8(C 0.05%)	0.05%Acetyl hexapeptide-8(liquid)
135003-5	SpecPed® SC-AH8(0.2%)	0.2%Acetyl hexapeptide-8(liquid)
135006-1	SpecPed® GHK2-Cu(0.1%)	0.1%Copper peptide solution(GHK2-Cu)
135006-2	SpecPed® GHK2-Cu(1.0%)	1.0%Copper peptide solution(GHK2-Cu)
135006-3	SpecPed® GHK-Cu(0.1%)	0.1%Copper peptide solution(GHK-Cu)
135006-4	SpecPed® AHK-Cu(1.0%)	1.0%copper peptide solution(AHK-Cu)
135006-5	SpecPed® AHK-Cu(0.1%)	0.1%copper peptide solution(AHK-Cu)
135006-6	SpecPed® AHK-Cu(0.05%)	0.05%copper peptide solution(AHK-Cu)
135006-7	SpecPed® GHK2-Cu(0.05%)	0.05%Copper peptide solution(GHK2-Cu)
135006-8	SpecPed® GHK-Cu(1.0%)	1.0%Copper peptide solution(GHK-Cu)
135006-9	SpecPed® GHK2-CuEN(0.1%)	0.1%Copper peptide nanocarrier solution(GHK2-CuEN)
135008	SpecPed® 3AK	SpecPed® 3AK
135009	SpecPed® SC-AO3(0.05%)	0.05%Acetyl Octapeptide-3
135009-1	SpecPed® SC-AO3(C 0.05%)	0.05%Acetyl Octapeptide-3(Caprylyl Glycol preservative)
135010-1	SpecPed® SC-PP4(0.01%)	100ppm Palmitoyl pentapeptide-4/3
135010-2	SpecPed® SC-PP4(0.05%)	500ppm Palmitoyl pentapeptide-4/3
135012	SpecPed® SC-PO(0.012%)	120ppm Palmitoyl Oligopeptide
135013-1	SpecPed® SC-AP1(0.1%)	0.1%Acetyl Pentapeptide-1
135013-2	SpecPed® SC-AP1(0.05%)	0.05%Acetyl Pentapeptide-1
135015	SpecPed® SC-PT5(0.1%)	0.1%Palmitoyl Tripeptide-5
135016	SpecPed® SC-AT5(0.1%)	0.1%Acetyl Tetrapeptide-5
135017	SpecPed® SC-MP17(0.1%)	0.1%Myristoyl Pentapeptide-17
135018	SpecPed® SC-MH16(0.1%)	0.1%Myristoyl Hexapeptide-16
135019	SpecPed® SC-PP18(0.05%)	0.05% Pentapeptide-18
135020	SpecPed® LashLD(0.03%)	Biotinoyl Tripeptide-1 Solution
135021	SpecPed® SC-PT38(0.025%)	0.025% Palmitoyl Tripeptide-38 Solution
135021-1	SpecPed® SC-PT38A(200-270PPM)	200-270ppm Palmitoyl Tripeptide-38 Solution
135022	SpecPed® PTPP(0.035%)	250ppmPT-38 and 100ppmPP-4
135023-1	SpecPed® SKE	0.25%Dipetide diaminobutyroyl Benzylamide diacetate
135023-2	SpecPed® SKE012	0.12%Dipetide diaminobutyroyl Benzylamide diacetate
135023-3	SpecPed® SKE02	0.2%Dipetide diaminobutyroyl Benzylamide diacetate

Beauty Peptides
Liquid



Products catalogue

	Code	Product Name	Product Name
Custom peptides	135024	SpecPed® AH38	0.05% Acetyl hexapeptide-38(liquid)
	135025	SpecPed® Whiten-1(0.01%)	100ppm Nonapeptide-1
	135026	SpecPed® Whiten-2(0.16%)	1600ppm Tetrapeptide-30
	135027	SpecPed® SC-AH38(0.05%)	0.05%Acetyl Hexapeptide-38
	135028	SpecPed® AT5 Plus	0.1%Dipeptide-2
	135029	SpecPed® Sensi AD	Acetyl dipeptide-1 cetyl ester
	135030	SpecPed® Blend(40%)	
	135031	SpecPed® CP	Bacillus Ferment, Aqua and propylene glycol
	135032	SpecPed® H11(0.1%)	Hexapeptide-11(0.1%)
	135033	SpecPed® SC-MPMH(1.0%)	0.5%Myristoyl Pentapeptide-17,0.5%Myristoyl Hexapeptide-16
	135034	SpecPed® PluLip(0.1%)	Palmitoyl tripeptide-1 solution(0.1%)
	135035	SpecPed® P4T7(0.05%)	Palmitoyl Tetrapeptide-7(0.05%)
	135036	SpecPed® P4T7(0.01%)	Palmitoyl Tetrapeptide-7(0.01%)
	135037	SpecPed® SC-PT1(0.01%)	Palmitoyl tripeptide-1(Pal-GHK)(0.01%)
	135038	IGF-1 Plus	IGF-1 solution
	135039	aFGF Plus	aFGF solution
	135040	bFGF Plus	bFGF solution
	135041	KGF Plus	KGF-2 solution
	135042	SpecPed® H2(C 0.05%)	Hexapeptide-2(C 0.05%)
	135043	SpecPed® GHK-1(0.1%)	Tripeptide-1(0.1%)
	135044	SpecPed® Whiten-3	Decapeptide-12(0.05%)
	135045	SpecPed® SC-MP17BG	Myristoyl Pentapeptide-17
	135046	SpecPed® Sensi8	Palmitoyl Tripeptide-8
	140001	SpecPed® EPTL	Epitalon
	140002	SpecPed® SEM	Semax
	140003		Glp1)-Apelin-13
	140004	SpecPed® TR29	Tripeptide-29
	140005	SpecPed® LP4P	Lipoyl Pentapeptide-4
	140006	SpecPed® DE12P	Decapeptide-12
	140007	SpecPed® TAT2P	Trifluoroacetyl tripeptide-2
	140008	SpecPed® O34P	Oligopeptide-34
	140009	SpecPed® O50P	Oligopeptide-50
	140010	SpecPed® O51P	Oligopeptide-51
	140011	SpecPed® PT37P	Palmitoyl Tripeptide-37
	140012	SpecPed® SC-PT37	Palmitoyl Tripeptide-37(0.1%)
	140013	Eyeliss™	Eyeliss™
	140014	SpecPed® PD18P	Palmitoyl Dipeptide-18
	140015	SpecPed® Oc2P	Octapeptide-2

Products catalogue

	Code	Product Name	Product Name
Preservative & Sterilizing	150002	ParbFree® 1530	ParbFree® 1530
	150003	ParbFree® PCG	Caprylyl Glycol & Phenoxyethanol
	150004	PrzvFree® 1840	PrzvFree® 1840
	150005	PrzvFree® CLG	Caprylyl Glycol
	150006	SpecPrzv® PIB	Iodopropynyl butylcarbamate, Phenoxyethanol, Methylpropanediol
	150007	PrzvFree® PEA	Phenethyl Alcohol
	150008	PrzvFree® PTG	1,2-Pentanediol
	150009	ParbFree® DBA	Dehydroacetic acid & Benzyl Alcohol
	150010	SpecNP® GSE	SpecNP® GSE
	150010-1	SpecNP® SC-Vancitrix	SpecNP® SC-Vancitrix
	150011	SpecPrzv® HQME	Hydroquinone monobenzyl ether
	150012	PrzvFree® CCP	PrzvFree® CCP
	150013	ParbFree® PE91	Phenoxyethanol
	150014	PrzvFree® CE85	Caprylyl Glycol & Ethylhexylglycerin
	150015	PrzvFree® Plus	PrzvFree® Plus
	150016	PrzvFree® HLG	1,2-Hexanediol
	150017	PrzvFree® EHG	Ethylhexylglycerin
	150018	PrzvFree® HE91	1,2-Hexanediol & Ethylhexylglycerin
	150019	PrzvFree® CHP	PrzvFree® CHP
	150020	ParbFree® IPMP	isopropyl methylphenol
	150020-1	ParbFree® IPMP50	o-cymen-5-ol & isopentyldiol (5%)
	150020-2	ParbFree® IPMP100	o-cymen-5-ol & isopentyldiol (10%)
	150021	ParbFree® PCMX	ParbFree® PCMX
	150022	SpecPrzv® TRIS	Triclosan
	150023	SpecPrzv® TCC	Triclocarban(TCC)
	150024	PrzvFree® BF 1000	Bacillus Ferment, Water, Propylene Glycol, 1,2-Hexanediol
	150025	SpecNP® PLS	Polylysine
	150026	ParbFree® CPCM	Cetylpyridinium chloride monohydrate
	150027	ParbFree® DHN	Sodium Dehydroacetate
	150028	PrzvFree® 4HAP	Hydroxyacetophenone
	150029		Gluconolactone
	150030	PrzvFree® NBA	Benzoic acid, Natural



Products catalogue

	Code	Product Name	Product Name
Extracts	160001	SpecPure® PC	Poria cocos .ex(powder)
	160002	SpecPure® PC1	1.0%Poria cocos .ex
	160003	SpecPure® PC5	0.5%Poria cocos .ex
	160004-1	SpecPure® PC2P	2%Poria cocos .ex(Propylene glycol)
	160004-2	SpecPure® PC2I	2%Poria cocos .ex(Isopentyldiol)
	160004-3	SpecPure® PC2B	2%Poria cocos .ex(1,3-Butyleneglycol)
	160004	SpecPure® PPN60	Papain(600,000U/g min)
	160004-1	SpecPure® PPN80	Papain(800,000U/g min)
	160004-2	SpecPure® PPN20	Papain(200,000U/g min)
	160004-3	SpecPure® PPN100	Papain(1000,000U/g min)
	160004-4	SpecPure® PPN65	Papain(650,000U/g min)
	160004-5	SpecPure® PPN5	Papain(50,000U/g min)
	160004-6	SpecPure® PPN120	Papain(1200,000U/g min)
	160005-1	SpecPure® AVP1	Aloe Vera gel powder(Freeze)(100:1)
	160005-2	SpecPure® AVP2	Aloe Vera gel powder(Freeze)(200:1)
	160005-3	SpecPure® AVJ(1X)	Aloe Vera concentration jel(10:1)
	160006	SpecPure® SPP	Soluble Pearl Powder
	160007	SpecPure® HPL	Hydrolyzed Pearl Liquid
	160008	SpecPure® HK	Hydrolyzed Keratin
	160009	SpecPure® HWP	Hydrolyzed Wheat Protein
	160009-1	SpecPure® WPL	Wheat protein liquid
	160010	SpecPure® HE	Hydrolyzed Elastin
	160011	SpecPure® FC	Fish Collagen
	160012	SpecPure® HSP	Silk Peptide Powder
	160013	SpecPure® BML60(60w)	Bromelain(60w)
	160013-1	SpecPure® BML10(10w)	Bromelain(10w)
	160013-2	SpecPure® BML120(120w)	Bromelain(120w)
	160014	SpecPure® PHY	phytosterol
	160015	SpecPure® GTE90	Green tea extract 90%
	160016	SpecPure® GTE98	Green tea extract 98%
	160017	SpecPure® GBE	Ginkgo Biloba Leaf Extract
	160017-1	SpecPure® Ginkgolides Complex	Ginkgolides
	160017-2	SpecPure® GBE001	Chlorophyllin copper complex
	160017-3	SpecPure® Aqua GBE	Water soluble Ginkgo Biloba Leaf Extract
	160017-4	SpecPure® GBE002	Carotenoids and phytol and Polyisopentenol complex

Products catalogue

	Code	Product Name	Product Name
Hair Care & Conditioner	160018	SpecPure® STPP	Super thin pearl powder
	160019	SpecPure® TT100	Tea tree oil
	160020	SpecPure® PA	Phytic acid
	160021	SpecPure® HOP	Hydrolyzed Oat Powder
	160022	SpecPure® HOL	Hydrolyzed Oat Liquid
	160023	SpecPure® SLE	Snow Lotus Extract
	160024	SpecPure® PPNL	Papain Liquid
	160025	SpecPure® ROE	Rosemary Extract Liquid
	160026	SpecPure® WHE	Wild Huckleberry Extract Liquid
	160027	SpecPure® GAE	Ganoderma Extract Liquid
	160028	SpecPure® BLE	Blueberry Extract Liquid
	160029	SpecPure® GRE	Grape Seed Extract Liquid
	160030	SpecPure® GIE	Ginseng Extract Liquid
	160030-1	SpecPure® GE	Ginseng Extract
	160031	SpecPure® ZEAX	Zeaxanthin
	160032	SpecPure® PTB	Pterostilbene
	160033	SpecPure® Shikonin	Shikonin
	160034	SpecPure® HCP	Hydrolyzed Conchiolin Protein
	160035	SpecPure® OTE	Oolong Tea Extract
	160036	SpecPure® MTE	Matcha Tea Extract
	160037	SpecPure® BLE	Blue Lotus Extract
	160038	SpecPure® WTE	White Tea Extract
	160039	SpecPure® Andrographolide Complex	Andrographolide
	160040	SpecPure® PSO	Pomegranate Seed Oil
	160041	SpecPure® Anthocyanins	Anthocyanins
	160042	SpecPure® LO	Lanolin Oil
	160043	SpecPure® BTS Saponins	Camellia sinensis seed extract
	170001	SpecKare® PQ-4	Polyquaternium-4
	170002	SpecKare® PQ-6	Polyquaternium-6
	170003	SpecKare® PQ-7	Polyquaternium-7
	170004	SpecKare® PQ-10	Polyquaternium-10
	170005	SpecKare® PQ-11	Polyquaternium-11
	170006	SpecKare® PQ-22	Polyquaternium-22
	170007	SpecKare® PQ-28	Polyquaternium-28
	170008	SpecKare® PQ-39	Polyquaternium-39



Products catalogue

	Code	Product Name	Product Name
Sunless & Tanning Agent	170009	SpecKare® PQ-44	Polyquaternium-44
	170010	SpecKare® PQ-47	Polyquaternium-47
	170011	SpecKare® CLB	Climbazole
	170012	SpecKare® PO	Piroctone Olamine
	170013	SpecKare® DCBA	2,4-Dichlorobenzyl alcohol
	170014	SpecKare® CB	Cetrimonium Bromide
	170015	SpecKare® QP	Quaternized Panthenol
	170016	SpecKare® ML	Menthyl lactate
	170017	SpecKare® BPDC	Behenamidopropyl PG-Dimonium Chloride
	170018	SpecKare® BT1	BT1
	170019	SpecKare® CL	Cetrimonium chloride
	180001	Tanbest® DHA	dihydroxyacetone
	180001-1	Tanbest® DHA60	dihydroxyacetone 60% solution
	180001-2	Tanbest® Gran-DHA	Granule dihydroxyacetone
	180002	Tanbest® 8810	Tanbest® 8810
	180003	Tanbest® DHB	Erythrulose
	180004	Tanbest® MLNT	Melanotan II Acetate
	180005	SpecAUV® BP-1	Benzophnone-1
	180006	SpecAUV® BP-3	Benzophenone-3
Surfactants	180007	SpecAUV® BP-4	Benzophenome-4
	190001	SpecSufc® APG0810	Alkyl Polyglycosides 0810
	190002	SpecSufc® APG1214	Alkyl Polyglycosides 1214
	190003	SpecSufc® APG225	Alkyl Polyglycosides 225
	190004	SpecSufc® APG8170	Alkyl Polyglycosides 8170
	190005	SpecSufc® LS30	Sodium Lauroyl Sarcosinate
	190006	SpecSufc® APG0814	Alkyl Polyglycosides 0814
	190007-1	SpecSufc® SLL30	Sodium Lauroyl Lactylate (30%)
	190007-2	SpecSufc® SLL95	Sodium Lauroyl Lactylate (95%)
	190008	SpecSufc® DCP	Disodium Cocoamphodiacetate
	190009	SpecSufc® KLS 30	Potassium lauroyl sarcosinate
	190010	SpecSufc® CAB	Cocamidopropyl Betaine
	190011	SpecSufc® SL	Sophorolipid
	190012	SpecSufc® Pearl Agent 3307	Pearl Agent
	190013	SpecSufc® SCI	Sodium Cocoyl Isethionate
	190014	SpecSufc® SCG	Sodium cocoyl glutamate

Products catalogue

	Code	Product Name	Product Name
Emulsifier & Thickener	200001	SpecSufc® HR-S1	Potassium Lauryl Phosphate
	200002	SpecSufc® SC-M68	Cetearyl Glucoside and cetearyl alcohol
	200003	SpecThem® GMS	Glyceryl Monostearate
	200004	SpecThem® SCB21	Carbomer
	200004-1	SpecThem® SCB940	Carbomer 940
	200005	SpecThem® XTG200	Xanthan Gum
	200006	SpecThem® C1618	Cetostearyl Alcohol
	200007	SpecSufc® P1601	Potassium Cetyl Phosphate
	200008	SpecThem® GMS&GD	Glycerol Monostearate& Glycerol Distearate
Oil & Grease & Wax	200009		Sophorolipid
	210001	SpecKare® 3GF	Glyceryl linoleate(and)Glyceryl oleate(and)Glyceryl linolenate
	210002	SpecKare® GTCC	Caprylic/Capric Triglyceride
	210003	SpecKare® LL	Lauryl Lactate
Others	210004	SpecKare® BTS	Black tea seed oil
	150001	SpecKare® 7309	Caprylhydroxamic Acid
	110019	SpecWhite® VAA	Vitamin A Acid
	230001	SpecKare® PRMS	Promestriene
	230002	SpecKare® DBZ	Denatonium benzoate
	230003	SpecKare® DEET	N,N-Diethyl-M-Toluamide
	230004	SpecKare® p-CA	p-Coumaric acid
	230005	SpecKare® TGA	Thioglycolic Acid
	230006	SpecKare® CAMN	Camphor (Natural)
	230007	SpecKare® MET	Menthol
	230008	SC-Mica 22	Mica
	230008-1	SC-Mica 22HDI	HDI Treated mica
	230008-2	SC-Mica 22TS	TS treated mica
	230009	SpecKare® DL-MLA	DL-Malic Acid
	230010	SpecKare® CAP	Capsaicin
	240001	SC-QD365	
	250001	SpecOil® CITR	Citronella oil
	250002	SpecOil® EUCA	Eucalyptus oil
	250003		Lanolin Oil
Food grade	260001	SpecKare® MonoGly	Monoammonium Glycyrhizinate(MAG)
	260002	SpecKare® NK3	Tripotassium Glycyrhizinate
	260003	SpecKare® Glycyrhizine R-21	Glycyrhizine R-21
	260004	Carbon black	Carbon black



Natural Resource Ingredients from Spec-Chem

Halal CERTIFICATION



• SpecPed® series

SpecPed® GHK2-Cu	(0.05%)(0.05% Copper Peptide Solution(GHK2-Cu))
SpecPed® GHK-Cu	(0.1%)(0.1% Copper Peptide Solution(GHK-Cu))
SpecPed® AHK-Cu	(0.05%)(0.05% Copper Peptide Solution(AHK-Cu))
SpecPed® SC-AH38	(0.05%)(0.05% Acetyl Hexapeptide-38)
SpecPed® Sensi AD	(Acetyl Dipeptide-1 Cetyl Ester)
SpecPed® LashLD	(0.03%)(0.03% Biotinoyl Tripeptide-1 Solution)
SpecPed® ACP	(Bacillus Ferment, Aqua and Propylene Glycol)
.....	

• Synthesis series

SpecKare® PO	(Piroctone Olamine)
SpecWhite® VCE	(P&C)(Ethyl ascorbic acid powder&crystal)
SpecWhite® TA	(Tranexamic acid)
SpecWhite® DL-MA	(DL-Mandelic Acid)
SpecWhite® ABT	(β-Arbutin)
SpecWhite® SAP	(Sodium Ascorbyl Phosphate)
MAP	
.....	

• Fermentation series

Tanbest® DHA	(dihydroxyacetone)
Tanbest® DHB	(Erythrulose)
sh-oligopeptide-1	
SpecWhite® 02	(Ascorbyl Glucoside)
SpecKare® HA	(Sodium Hyaluronate(powder))
SpecKare® GSH	(Reduced Gluththione)
SpecWhite® KA	(Kojic acid)
Tanbest® 8810	(Tanbest® 8810)
.....	

• SpecPure® series

SpecPure® PC	(Poria Cocos Extract)
SpecPure® GBE	(Ginkgo Biloba Leaf Extract)
SpecPure® Aqua GBE	(Water Soluble Ginkgo Biloba Leaf Extract)
SpecPure® GBE001	(Chlorophyllin Copper Complex)
SpecPure® Ginkgolides Complex	(Ginkgolides)
SpecKare® BTS	(Black Tea Seed Oil)
SpecKare® BCP	(Bamboo Charcoal Powder)
SpecKare® CAC	(Cocoanut Active Charcoal Powder)
.....	

Natural Resource Ingredients from Spec-Chem



Certification body
for sustainable development

SpecKare® BCP	(Bamboo Charcoal Powder)
SpecKare® HA	(Sodium Hyaluronate)
SpecKare® TRHL	(Trehalose)
SpecKare® TRHL02	(Trehalose)
SpecNP® PLS	(Polylysine)
SpecPure® PC	(Poria Cocos Extract)
SpecSufc® SC-M68	(Cetearyl Glucoside & Cetearyl Alcohol)
SpecWhite® 02	(Ascorbyl Glucoside)
Tanbest® 8810	(1,3-Dihydroxyacetone & Erythrulose)
Tanbest® DHA	(1,3-Dihydroxyacetone)
Tanbest® DHB	(Erythrulose)
SpecKare® CAC3	(Coconut Shell Activated Carbon)
SpecAWK® Plus	
SpecWhite® VC	(Ascorbic Acid)



Certification body
for sustainable development

SpecKare® BCP	(Bamboo Charcoal Powder)
SpecSufc® APG	(Alkyl Polyglycosides)
SpecKare® HA	(Sodium Hyaluronate)
SpecWhite® KA	(Kojic Acid)
SpecKare® TRHL02	(Trehalose)
Tanbest® 8810	(1,3-Dihydroxyacetone & Erythrulose)
Tanbest® DHA	(1,3-Dihydroxyacetone)
Tanbest® DHB	(Erythrulose)



European REACH Registered Products

SpecKare® PO	(Piroctone Olamine)
SpecKare® DPA	(Dexpanthenol)
Tanbest® DHA	(Dihydroxyacetone)
SpecKare® BCP	(Charcoal Powder)
SpecWhite® VCE	(Ethyl Ascorbyl Acid)
SpecSufc® APG	(Alkyl Polyglycosides)
PrzvFree® HLG	(1,2-Hexanediol)
PrzvFree® EHG	(Ethylhexylglycerin)

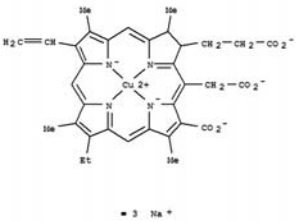
Good quality comes
from qualified materials



SpecPure® GBE001



Product name: SpecPure® GBE001(VEGAN chlorophyllin)
Product Code: 160017-2
INCI Name: Chlorophyllin copper complex
CAS No.: 11006-34-1
EINECS No.: 234-242-5
Botanical Name: Ginkgo biloba L.
MF: $C_{34}H_{29}CuN_4Na_3O_6$
MW: 722.13
Molecular Structure:



Description

SpecPure® GBE001 is extracted from Ginkgo biloba leaf, called VAGAN chlorophyllin. It is a kind of metalloporphyrin with high stability to heat and light. It is dark green powder, has strong coloring power. The aqueous solution is turquoise clear. Because of its stability and no toxic side effects, it is widely used as food additives, cosmetics additives, colorants, drugs, photoelectric conversion materials and other fields.

Functions

- Anti-inflammation
- Accelerating wound healing
- Free radicals scavenger
- Natural coloring agent
- Deodorant

Direct or indirect inhibitory effect on tumor:

- (1) complexation with planar aromatic carcinogens;
- (2) inhibition of carcinogen activity;
- (3) degradation of carcinogens;
- (4) scavenging of free radicals and antioxidation.

Regulations

There are no dietary restrictions with Chlorophyllin. It can be consumed by all religious groups, vegans and vegetarians. Complies with the regulations in China, EU, USA, Canada and Australia, etc.

Application:

Skin care and personal care(tooth paste and mouth wash); nutrients, fabrics and pharmaceuticals.

Compatibility:

Water soluble, stable to light and heat, but it can precipitate in hard water, acid or calcium ion. Suitable for pH 7-12.

Dosage:

4‰

Shelf life:

24 months.

Package:

1kg, 25kg.

Storage:

Preserve in well-closed, light resistant containers and store in a cool and dry place, 2 years.

· SpecPure® GBE001	(Chlorophyllin copper complex)	· SpecWhite® SAP	(Sodium Ascorbyl Phosphate)
· SpecPure® Aqua GBE	(Water soluble Ginkgo Bilabo Leaf Ext)	· SpecWhite® TA	(Tranexamic Acid)
· SpecKare® BTS	(Black Tea Seed Oil)	· SpecWhite® KAD	(Kojic Acid Dipalmitate)
· ParbFree® PCG	(Phenoxyethanol (and)Caprylyl Glycol)	· SpecWhite® DL-MA	(DL-Mandelic Acid)
· SpecPed® 3AK	(Tripeptide, Tetrapeptide)	· SpecWhite® FA	(Ferulic Acid)
· SpecKare® NK2	(Dipotassium Glycyrrhizate)	· SpecKare® HA	(Sodium Hyaluronate)
· SpecAWK® Plus	(Multi-functional herbal Ext)	· SpecKare® TRHL02	(Trehalose)
· SpecPure® PC	(Cocos Extract)	· SpecKare® GSH	(L-Glutathione Reduced)
· SpecKare® EyeS100	(Poria cocos extract, Acetyl Tetrapeptide, Dipeptide)	· SpecSufc® SC-M68	(Cetearyl Glucoside(and)Cetearyl Alcohol)
· EGF ^{Plus}	(Sh-Oligopeptide-1)	· SpecSufc® APG	(Alkyl Polyglycosides)
· SpecPed® GCu11P	(Copper peptide(GHK- Cu))	· Charcoal Powder	(Charcoal Powder)
· SpecKare® PO	(Piroctone Olamine)	· SpecPure® PPN60	(Papain)
· SpecWhite® 03	(Alpha-Arbutin)	· SpecPure® BML	(Bromelain)
· SpecWhite® ABT	(β-Arbutin)	· SpecPure® HE	(Hydrolyzed Elastin Powder)
· SpecWhite® VCE	(Ethyl Ascorbic Acid)	· SpecKare® CB	(Cetrimonium Bromide)
· SpecWhite® 02	(Ascorbyl Glucoside)	· SpecKare® BSA	(Betaine Salicylate)
· SpecWhite® MAP	(Magnesium Ascorbyl Phosphate)		

SpecPure® Aqua GBE



Water soluble Ginkgo Bilabo Leaf Ext

Product Code: 160017-3
 INCI Name: Ginkgo biloba Leaf Exact
 CAS No.: 90045-36-6
 EINECS No.: 289-896-4
 Botanical Name: Ginkgo biloba L.
 Other Name: Water soluble Ginkgo Bilabo Leaf Ext

Description

Ginkgo biloba, the only living species in the Ginkgophyta division, is a gymnosperm with fan-shaped leaves. Ginkgo is an extremely tough, long-lived tree that dates back about 250 million years; it is thus sometimes called a “living fossil.”

SpecPure® Aqua GBE has the features as water-soluble treatment, deacidification, its cold water solubility is greater than 5% . The solution is clear and transparent. Flavonoids > 24% ; lactone > 6%; ginkgolic acid < 2ppm; cold water solubility > 5%;

Functions in skin care

- 1) Anti-oxidation
- 2) Anti- bacteria
- 3) Prevent coronary heart disease, angina pectoris, anticancer, antioxidant.
- 4) Improve sensitive constitution.

Clinically approved that Aqua GBE efficiently relieves the symptoms of allergic skin like redness, swelling and stabbing pain etc.

Regulations

Complies with the regulations in China, EU, USA, Canada and Australia

Application Lotion, toner, essence, cream and drinks
Shelf life 36 months
Package 1kg, 25kg
Storage Preserve in well-closed, light resistant containers and store in a cool and dry place, 2 years.



SpecKare® BTS



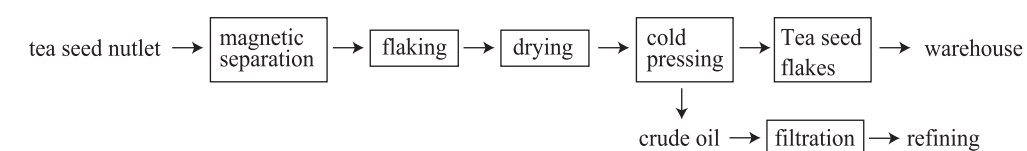
Product Code: 210004
 INCI Name: CAMELLIA SINENSIS SEED OIL
 CAS No.: 68916-73-4
 Botanical Name: Camellia sinensis var. assamica

General information

The use of tea seed oil in china was recorded more than a thousand years ago. Tea seed oil was traditionally used to treat skin diseases such as scalds, burns, tinea corporis and chronic eczema. SpecKare® BTS(Black tea seed oil)is rich in nutrients, including unsaturated fatty acids, camellia glycosides, phospholipids and saponins, vitamin E, polyphenols and tannins, etc. The content of unsaturated fatty acid is more than 82%. SpecKare® BTS(Black tea seed oil)is different from the oils from green tea seed oil, or other plant oils. It highly contains natural polyphenols and vitamin E. These features stable and it more effective in anti-aging and enhancing immunity, clearing free radicals and preventing cardiovascular, cerebrovascular diseases and cancer.

A totally physical production process is conducted to obtain this premium and natural oil. It includes smash shells, cold press, physical purification (depickling, deodorant and discolor) and packaging.

Flow chart



Food Application

Promote metabolism	Enhance immunity
--------------------	------------------

Cosmetics application (skin care and hair care)

- Eliminate free radicals
- Repair injured skin
- Prevent aging
- Help hair gloss.
- Help relieve stretch marks

Regulations

Complies with the regulation in China, Korea, EU,USA(TSCA), Canada and Australia



ParbFree® PCG



Product Code: 15003
Activity ingredients: Phenoxyethanol, Caprylyl Glycol
INCI Name: Phenoxyethanol (and)Caprylyl Glycol
CAS No.: 1117-86-8, 122-99-6

General information

ParbFree® PCG is a broad-spectrum antimicrobial blend and it is a high purity liquid, soft preservative, complies with international regulation. It is fit for preservative system which is claimed as free formaldehyde, free 2-methyl-3(2H)-isothiazolone, and paraben free.

It can effectively inhibit Gram-negative bacterium, Gram-positive bacterium, saccharomycetes and mould. Caprylyl Glycol strengthens phenoxyethanol preservative effect.

Compatibility & Application

Compatible with most cosmetic ingredients, it can be soluble in glycol and alcohols completely, the tests showed that the antibiosis ability can be steady in cosmetic which contain surfactant, protein, herbal medicine and other additives.

It is widely used in emulsion, water (toner), no water formulation and surfactant system. It's suggested to be added at below 50 °C, It can be used in wide pH 3-10.

Toxicity

Phenoxyethanol is considered as a safe and low toxicity cosmetic ingredient. Caprylyl Glycol is considered to be non-toxicity in personal care.

Regulation

ParbFree® PCG can be used global. And Caprylyl Glycol is a humectant.

Recommend dosage: 0.5-1.5 %;
Storage: Cool, dry place, protect from light and sealed container;
Shelf time: 2year;
Package: 10kg, 25kg, Plastic drum;

SpecPed® 3AK



Reducing wrinkle by 15.58% in 2 weeks

Product No.: 135008
Activity ingredients: Water, Glycerin, Butylene Glycol, Carbomer, polysorbate20, Tripeptide, Tetrapeptide
Preservative Free:



Functions

SpecPed® 3AK shows perfect effect from gene activation to remodeling protein, the two oligopeptides show perfect synergistic reaction on

- promoting the composing of Collagen I, Fibrinogen and hyaluronic acid.
- Anti-ageing, anti-wrinkle
- Firming and lifting skin
- Keeping skin's youthfulness.

Efficacy test (clinical test)

Anti-wrinkle efficacy

10% SpecPed® 3AK treatment comparing with the pre-treated, wrinkles area ratio reduced by15.79% after 14 days, reduced by 23.39% after 28days, reduced by 30.99% after 56days. The longer the time of application, the better anti-wrinkle effect showed.

Volunteers' self-assessment

100% volunteers thought that their skin were improved after applying the product for 8 weeks. No incompatibility was observed reported by any of the volunteers.

Regulation

It is IECIC listed China



In Catalogue of Already-used Cosmetic Raw Materials of USA



In the Cosing of European



Safety test

- No Eyes irritation
- No Skin Irritation

Dosage

3-10%

Usage

SpecPed® 3AK should be added at last step with temperature control below 40 °C.

Solubility:

Soluble in water.

Package

1kg,5kg,25kg/drum.

Storage

Recommended 2~8 °C for long-term storage. Sealed in original packaging, stable for 2 years.

SpecKare® NK2



INCI Name: Dipotassium Glycyrrhizate
Molecular Formula: $C_{42}H_{60}K_2O_{16}$
Molecular Weight: 899.12
CAS No.: 68797-35-3
EINECS No: 272-296-1

Specific features

SpecKare® NK2 (Dipotassium glycyrrhizinate) is a compound obtained by extraction with water from liquorice root.

- 1: Anti-inflammatory, it can inhibit the generation of histamine leukotriene and it has unique anti-allergic effect. so it is widely used as an externally applied drugs in skin disease.
- 2: It has soothing, regenerative and antioxidant properties.
- 3: It is widely used as skin lightening agent, It has also been shown to soothe the skin and has rejuvenating and anti-irritant effects.



Applications

Cosmetic: Creams, lotions, mask and all kinds of skin-lightening products, it is soluble in water.
Pharmaceuticals industry: Eye drops, stomatitis ointment.



Daily chemical industry: Toothpaste and shaving cream.

Dosage: 0.5-1.0%.

Quality standard

Appearance Off-white crystal powder
Contents ($C_{42}H_{60}K_2O_{16}$) $\geq 98.0\%$ (UV)

Package: 1kg /Aluminum foil bag.

Storage: Keep in a cool and dry place, 20℃, sealed and protected from light.



SpecAWK® Plus



Product Code: 120008
INCI Name:

Panax notoginseng root extract, Gastrodia Elata root extract, Poria cocos extract (PORIA COCOS SCLEROTIUM EXTRACT), Glycyrrhiza Uralensis root extract, Panax Ginseng root extract, Carthamus tinctorius Flower extract, Salvia miltiorrhiza root extract, Paeonia suffruticosa Root extract, Scutellaria baicalensis root extract, Lycium Chinese Fruit Extract, Propanediol (Corn Derived)

A Multi-Functional
Chinese Herbal Ingredients



PCHI Technology
Innovation Award

Characteristic

SpecAWK® Plus is a green and natural plant essence, prepared from 10 traditional Chinese leading herbs. It is produced according to TCM and applied to the food and drug homology theory to provide both nurtures and skin shield. It can promote collagen synthesis and anti-oxidation, inhibit tyrosine in vitro test; SGS clinical tests approved it can improve skin elasticity and skin firmness about 30%, skin roughness and skin smoothness, wrinkle improved, 90% females satisfaction, no irritation and lupus and other adverse reactions.



Main ingredients

Plant polypeptide, Plant polyphenol, Glycosides and Flavonoids.



Technical index

Appearance: Brown sticky liquid
Odor: Characteristics

Multi-Functional

- Anti-Wrinkle
- Anti-Oxidation
- Anti-bacterial
- Anti-Inflammation
- Whitening
- Lightening
- Skin Care



Using suggestion

Recommended dosage: 0.5-5%.

Solubility

Freely soluble in polyols (such as 1,3-butanediol, propylene glycol, etc.).



Formulation suggestion

SpecAWK® Plus can be added in water phase or oil phase, it is not sensitive to temperature, it can be added before or after homogenisation.

Application

Anti-wrinkle and anti-aging products, Lighting & Whitening cream, lotion, mask

Regulation

China and European regulated, there is no restriction.

SpecPure® PC



Product Code: 160001-1
 INCI name: Poria Cocos Sclerotium Extract
 Common Name: Hoelen, Fu-Ling
 Family: Polyporaceae
 Part Used: Sclerotium of the fungus
 Composition: Lanostane-type triterpenoids



PCHI Technology
 Innovation Award

Biological Activities

Anti-inflammatory
 Inhibits PLA2
 Inhibits TGF- α , IL-1, IL-6
 Inhibits TPA induced edema

Cosmetic Applications

Anti-inflammatory
 Soothing
 Decrease redness
 Decrease puffiness
 For Sensitive and atopic skin

Application: Cream, lotion and all kinds of essence.

Recommend dosage: Amount of 0.05% and 0.2%.

Package: Powder: 100g / aluminum foil bag, 500g / aluminum foil bag.
 Liquid (0.5%, 1%, 2%): 2.5kg / barrel.

Storage: Store in full closed, light-free container at a cool, dry place.

Shelf life: 2 years.



SpecKare™ EyeS100



Product Code: 120019
 INCI Name: Poria cocos extract, Acetyl Tetrapeptide, Dipeptide
 CAS NO.: 168456-53-9,-9

Properties

SpecKare™ EyeS100 is composed of traditional Chinese medicine(Poria cocos extract) and beauty peptides, it can erase edema,eye bag, reduce dark circles, anti-wrinkle, anti-inflammatory and promote skin elasticity and smoothness quickly.

Specification

Appearance	Yellow liquid
pH value	5.0-6.0
Relative density	0.991~1.110
Refractive index	1.410~1.450
Arsenic (ppm)	Not more than 2
Heavy matels (ppm)	Not more than 10
Total plate count	≤ 100cfu/mL
Yeast & mold	≤100cfu/mL

Application: Eye bag treatment, Gel, Serum, Cream, Anti-ageing.

Package: 1Kg/bottle,5Kg/drum,10Kg/drum.

Storage: Store at 2~8 °C , tightly closed , protect from light.

Shelf life: 2 years.



EGF^{Plus}

Product Code: 135001
INCI Name: Sh-Oligopeptide-1
CAS NO.: 62253-63-8

Properties

- Anti-aging, activity ingredient(Sh-Oligopeptide-1) structure and activity are identical to human nature EGF.
- Stable at room temperature, biological activity keep stable within 15 months. it is a good choice for EGF mask and oniment.
- Synergism with hyaluronic acid, oat β -glucan, collagen protein.

Specification

Appearance	Clear, olorless liquid
pH Value	7.0 \pm 0.5
Bioactivity	1.0 \times 10 ⁴ \pm 30%
Bacterial count	<10cfu/g.no detectable of thermotolerant coliform bacterial,staphylococcus aureus and Pseudomonas aeruginosa.

Application

Anti-wrinkle, healing wound treatment and a good choice for mask and oniment.

Recommend dosage

1ml EGF^{Plus} is equivalent to 10000 \pm 30% IU.

Dosage: 500IU/ml-2000IU/ml

Package: 500ml/bottle.

Storage: Storage at room temperature, sealed and stocked in dry and well vented places.

Shelf life: 2 years.



SpecPed[®] GCu11P

Product Code: 130004
INCI Name: Copper tripeptide-1(GHK-Cu)
CAS No.: 89030-95-1

Properties

- GHK-Cu can increase cell activity and gradually recover the lost collagen in body with no harm or irritation, so that make subcutaneous tissues strong and heal wounds rapidly, and thus achieve the purpose of anti-wrinkle and anti-aging.
- GHK-Cu can produce thick healthy hair and keep hair from turning white, also can prevent hair loss, leads to a healthy head of hair.

Specification

Appearance	Blue powder
Purity (HPLC) (GHK)	Not less than 95.0%
Water (K.F.)	Not more than 8.0%
Cu ²⁺ content	4% ~ 8%

Usage:

Should be added at last step into formulation, temperature below 40 C.

Recommend dosage: 0.01% ~ 1%.

Solubility: Freely soluble in water.

Package: 1g/penicillin bottle ;10g, 100g, 1000g/Plastic bottle.

Storage : 2~8 C , Keep dry and dark.

Shelf life: 2 years.

Other copper peptide: AHK-Cu, GHK₂-Cu, AHK₂-Cu



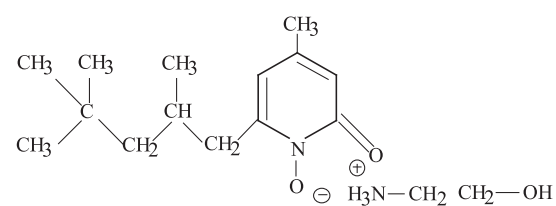
SpecKare® PO



REACH registered

Product Code: 170012
INCI Name: Piroctone Olamine
CAS No.: 68890-66-4
Chemical Name: 1-Hydroxy-4-methyl-6-(2,4,4-trimethylpentyl)-2-(1H)pyridinone-2-aminoethanol salt

Structural Formula



Properties

- Good antidandruff action, solubility and good compatibility;
- Wide-spectrum of antibacteria and antifungi;
- Safe, low toxicity and no irritation in dosage;

Specification

Appearance	White to off white crystal powder
Purity (HPLC)	≥99%
Loss on drying	≤0.3 %
SO ₄	≤0.2%

Application: Antidandruff shampoo, hair care, soap.etc.

Recommended Dosage: “Wash-Free” Products: 0.05-0.01%;
“Rinse-Off” Products: 0.3-0.4%.

Package: 1kg/bag, 25kg/ drum.

Storage: Keep in a well-closed, light-resistant, dry and cool container.

Shelf life: 2 years.



SpecWhite® 03



Product Code: 110003
INCI Name: Alpha-Arbutin
CAS No.: 84380-01-8
ELINCS No.: 440-470-8

Properties

- Promotes lightening and whitening on all skin types, better than β-Arbutin .
- Minimizes liver spots.
- Reducing the degree of skin tanning after UV exposure.
- Little usage, saving cost.
- High stable in light, temperature, etc condition.

Specification

Appearance	White crystals or crystalline powder
Specific rotation	+174.0° ~ +186.0°
Assay	≥99.5%
Loss on drying	≤0.5%
Ignition residue	≤0.5%
pH value (1% solution)	5.0 - 7.0
Clarity of water solution	Transparent, colorless
Melting point	202.0~212.0 C
Hydroquinone	None
Heavy metals (as Pb)	≤10 ppm
Arsenic	≤2 ppm
Mercury	≤1 ppm
Total bacterial count	≤1000 cfu/g
Mold & Yeast	≤100 cfu/g
Fecal coliforms	Negative
<i>Pseudomonas aeruginosa</i>	Negative
<i>Staphylococcus aureus</i>	Negative

Application : Whitening products: face cream, whitening cream, lotion, cream, gel, mask, etc.

Recommend dosage: 0.2-2.0%.

Solubility: Freely soluble in water.

Package: 1kg / bag, 25kg/carton

Storage: Cool and dry place, protect from light.

Shelf life: 2 years.

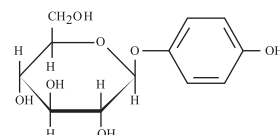


SpecWhite® ABT



Product Code: 110001
INCI Name: Arbutin
CAS No.: 497-76-7
Chemical Name: Para-hydroxybenzen-β-D-pyranoglucoside

Structural formula



Properties

- Arbutin inhibits melanin pigment synthesis by inhibiting tyrosinase activity.
- Arbutin has been traditionally and popularly used in Japan, also is popular in South Korea and other Asian countries for skin-lightening.
- Arbutin is one of the safest and most efficient whitening materials that are popular at present. also is the most competitive whitening activity in the 21st century.

Specification

Appearance	White crystalline powder
Assay	99.0%Min
Melting point(°C)	199.0-201.0±0.5 °C
pH value(1% solution)	5.0-7.0
Specific rotation [α] _D ²⁰	-66±2°
Arsenic	≤2ppm
Hydroquinone	≤10ppm
Heavy metals	≤20ppm
Loss on drying	≤0.5%
Ignition residue	≤0.5%

Application: Products for removing pigmentation, whitening skin and roughness improving .

Recommend dosage: 1-10%.

Package: 1kg/bag, 25kg/carton

Storage: Store in sealed containers at cool & dry place, Protect from light.

Shelf life: 2 years.

SpecWhite® VCE



REACH registered

Product Code: 110008
INCI Name: 3-O-Ethyl Ascorbic Acid
CAS No. : 86404-04-8
Chemical Name: 3-O-Ethyl Ascorbic Acid
Molecular Formula: C₈H₁₂O₆
Molecular Weight: 204.18

Properties

- Inhibit the activity of tyrosinase, prevent the synthesis of melanin.
- Accelerate the synthesis of collagen, improve the luster of skin.
- Strong antioxidation, eliminate the free radical in body.
- Resist the inflammation of skin, inhibit the bacteria.
- Possess the structure of lipophilic and hydrophilic.
- Excellent the stability of light, heat, acid, alkali, salt and oxygen

Specification

Appearance	White to off white crystal powder
Melting point (°C)	111.0 -115.0
Assay (HPLC)	≥98.5%
Colority (3% water solution)	≤25
pH (3% water solution)	4.0-5.5
Moisture	≤1.0%
Heavy metals	≤20 ppm
Arsenic	≤2 ppm
Ash	≤0.1%

Application: It can be used in whitening or anti-aging cosmetics such as gel, essence, creams.

Recommended Dosage: 0.1 ~ 3.0%.

Package: 1kg/bag, 25kg/carton.

Storage: Shielded from light and keep closed.

Shelf life: 2 years.

SpecWhite® 02



Product Code: 110002
 INCI Name: Ascorbyl Glucoside
 CAS No.: 129499-78-1
 Empirical formula: $C_{12}H_{18}O_{11}$
 Molecular Weight: 338.26472

Properties

- Excellent Antioxidant
- Collagen production and anti-aging
- Lightening & brightening
- Reduce fine lines and wrinkles
- Sun damage protection and repair

Specification

Appearance	White to off-white cream powder
Odor	Odorless
IR Spectrum	Conform
Assay	≥98%
Specific optical rotation[α] _{D20}	+186.0°~+188.0°
Melting point	158-163 °C
Loss on drying	≤1.0%
Residue on ignition	≤0.2%
pH(1%W/V)	2.0-2.5
Free ascorbic acid	≤0.1%
Free glucose	≤0.1%
Heavy metal(Pb)	≤20ppm
As(As ₂ O ₃)	≤2ppm
Solubility	Water

Application: Cream, lotion, essence in whitening and anti-aging products.
Recommend dosage: 0.1 ~ 2%.
Package: 1kg/bag, 25kg/carton.
Storage: Store in sealed containers at cool & dry place.
Shelf life: 2 years.

SpecWhite® MAP



Product Code: 110013
 INCI Name: Magnesium Ascorbyl Phosphate
 CAS No.: 113170-55-1
 Molecular Formula: $C_{12}H_{12}O_{18}P_2Mg_3 \cdot 10H_2O$
 Molecular Weight: 759.22

Characteristic

- It is considered to be a whitening ingredient in global ,it can Inhibit the activity of tyrosinase,with spots removing and whitening effect.
- After the absorption by the skins, it can eliminate free oxygen
- Radical in order to remove wrinkles with antiaging function.
- There is synergic effect with Vitamin E.
- It is stable and not easy to change color.
- Non-poisonous and non-irritating.

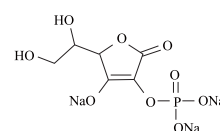
Specification

Appearance	Almost white powder
Assay	Not less than 98.5%
Color (3% solution)	Transparent
pH value (3% solution)	7.0 -- 8.5
Specific rotation[α] _{D20}	Not less than +44°
Loss on drying	Not more than 20.0%
Cl	Not more than 0.35%
Total bacteria	Not more than 100cfu/g
As	Not more than 2.0 mg/kg
Heavy metals	Not more than 20mg/kg

Application: Skin lightening products, Daily skin care, Sun care, Oral care.
Dosage: 1- 3% .
pH use level: Best pH value 6.5, Acceptable range: 6.0 ~ 7.5.
Solubility: It can be soluble in water and glycerin.
Stability in formulations: It has good stability in formulation .
Notice: Before added essence and preserving agent, dissolve MAP with appropriate amount dH₂O to pulp under 55°C;
Package: 1kg/bag, 25kg/carton.
Storage: Protect from light and keep in cool and dry place.

SpecWhite® SAP

Product Code: 110023
 INCI Name: Sodium Ascorbyl Phosphate
 CAS No.: 66170-10-3
 Chemical Name: L-ascorbic acid-2-monophosphate, trisodium salt
 Structural formula:



Properties

- Whitening, Lightens hyperpigmentation.
- Antioxidant properties.
- Promotes collagen synthesis.
- Anti-inflammatory, anti-acne.

Specification

Appearance	White or almost white powder
Clarity of solution	3% solution is clear, And is not more intense in turbidity than No.3 turbidity standard solution.
Identification	Positive
Acidity or alkalinity	8.0-10.0
Heavy metals	≤0.01%
Assay(C ₆ H ₆ O ₉ Na ₃ P)	≥98.0%

Application

SAP has already been used in cosmetics: anti-wrinkle products, whitening products, protection formulations, body lotion, night cream and day cream.

Recommend dosage

1. 0.2-2% in daily skin care products.
2. 0.2 - 1 % in sun care products.
3. >3% in lightening products.

Package : 1kg/bag, 15kg/carton.

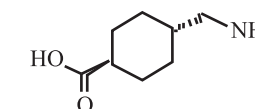
Storage: Protect from light and keep in cool and dry place.

Shelf life: 2years.

SpecWhite® TA

Product Code: 110015
 INCI Name: Tranexamic Acid
 CAS No.: 1197-18-8
 EINECS: 214-818-2
 Chemical Name: Trans-4-aminomethylcyclohexanecarboxylic acid.
 Molecular Formula: C₈H₁₅NO₂
 Molecular Weight: 157.2

Structural Formula



Properties

- Whitening and prevent pigmentation at 2 weeks with no significant side effects.
- Little usage, synergistic effects with other whitening ingredients.
- Inhibit melanin and improve skin roughness.
- Restore damaged skin caused by UVA/UVB, pollution or other environmental factors.

Specification, Approved by JFRL

Characteristics	A white crystalline powder
pH	7.0~8.0
Related substance	Conform with JP17
Heavy metal	≤10ppm
Loss on drying	≤0.5%
Sulphated ash	≤0.1%
Assay(%)	99.0-101.0%

Application: Skin-whitening lotions, creams, milky lotions, facial packs, scalp care cosmetics.

Recommend dosage: 0.5% in Cosmetics; 2.0-3.0% in Cosmeceuticals, stable at PH(7-8)

Package: 1kg/bag, 25kg/carton.

Storage: Store in sealed containers at cool & dry place, protect from light.

Shelf life: 3 years.

SpecWhite® KAD



Product Code: 110012
 INCI Name: Kojic Dipalmitate
 CAS No.: 79725-98-7
 Molecular Formula: $C_{38}H_{66}O_6$
 Molecular Weight: 618.9

Functions

- Lightening/whitening: Inhibit tyrosinase and melanin formation, ameliorate dermal pigmentation. Provide excellent effects in even toning skin, fighting age spots, pregnancy marks, freckles as well as general pigmentation disorders.
- Anti-aging.
- Toning

Specification

Appearance	White to pale yellow powdery crystals
Melting point	93-97
Identification	According to the contrast (IR)
Loss on drying	Not more than 0.5%
Heavy metals (Pb)	$\leq 0.001\%$
Tinctorial reaction of $FeCl_3$	Negative
Residue on ignition	Not more than 0.1%
Assay	Not less than 99.0%

Application

Body/facial care toners, anti-aging preparations, sun protection, after-sun & self-tanning, skin whitening/lightening, treatment for a variety of skin hyperpigmentation conditions or disorders, e.g. solar lentigenes, melasma, chloasma, scars, freckles, age pigment and other local hyperpigmented regions of the skin.

Use Level: 1 to 5%.

Compatibility: Compatible with almost all cosmetic ingredients, especially advantageous for use in combination with sunscreens.

Stability: Stable to light, not complex with metals, stable between 3 and 10, not oxidizable, Stable. A cream containing 1% KAD found no color change when kept at 45°C for 4 weeks.

Solubility: Kojic acid dipalmitate is oil soluble and is more easily absorbed into skin when it is incorporated into a cream as compared with kojic acid.

SpecWhite® DL-MA



Product Code: 110010
 INCI Name: Mandelic Acid
 CAS No.: 90-64-2

Characteristic

- It interferes with the production of melanin (this will stop new age spots forming);
- It reduces sebaceous gland oil production (that will help out with acne);
- It increases the amount of new collagen and elastin formed.
- Antibacterial properties, mandelic acid can help to clear acne, even cystic acne, and regulate sebum production to help prevent the reoccurrence of outbreaks.
- All this without irritation.

Specification

Appearance	White crystal powder
Assay (on dry basis)	99.0% Min
Melting point	118 C -121 C
Moisture	0.5% Max

Application: Anti-acne serum, lotion, cream products.

Dosage: 0.5% ~ 5%

Solubility: Soluble in water.

Package: 1kg/bag, 25kg/carton.

Storage: Cool and dry place, protect from light and deal contained.

Shelf life: 2 years.

SpecWhite® FA



Product Code: 110011
INCI Name: Ferulic acid
CAS No.: 537-98-4
EC No : 208-679-7
Molecular Formula: $C_{10}H_{10}O_4$
Molecular Weight: 194.19
Origin: Chemical synthesis and rice bran

Product Features

- Natural antioxidant, effective removal of free radicals;
- Photoprotective, reducing the damage caused by UV;
- Increases firmness and replenishes lipids to reduce wrinkles;
- Inhibit tyrosinase activity and melanin content, whitening skin, effectively remove age spots and sun spots;

Application in Cosmetic

- Anti-aging (anti-oxidation)
- Radical scavengers
- UV absorber (Sun Screens)
- Whitening agent
- Hair wax, skin cream and lotion, soap, etc.
- Dosage: 0.5%, it can stabilize VC product.
- Solubility: it is slight soluble in water, add Ethoxydiglycol to improve its solubility.

Specification

Appearance	Off white to yellow crystalline powder
Assay	≥99 %
Loss on drying	≤0.5%
Melting point	168.0-172.0 °C
Assay	≥99 %

Packing: 1kg/bag.

Storage: Store in cool and dry place.

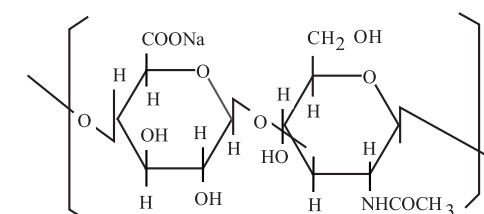
Shelf life: 2 years.

SpecKare® HA



Product Code: 120002-1
INCI Name: Sodium Hyaluronate

Approved by ECOCERT GREENLIFE



Main Functions of Sodium Hyaluronate

- Moisturizing
- Anti-ageing
- Wound-healing
- Lubrication and Film Formation

Product Name

Molecular Weight Range

SpecKare® HA Plus	≤0.1 x 10 ⁶ Da
SpecKare® HA	0.1~0.5 x 10 ⁶ Da
	0.5~1.0 x 10 ⁶ Da
SpecKare® HAL(1% Solution)	1.0~1.5 x 10 ⁶ Da
	1.5~2.0 x 10 ⁶ Da
	≥2.0 x 10 ⁶ Da

Grade Cosmetic grade and food grade

Applications in cosmetics

Product	Recommended dosage
1.skin cleansing product	
Face cleaning milk	0.05—0.3%
Shower lotion	0.05—0.3%
2.skin care product	
Cosmetic lotion	0.05—0.3%
Moisturizing oil	0.05—0.5%
Skin care cream	0.05—0.5%
Moisturizing milk	0.05—0.5%
3.skin nutrient product	
High moisture cosmetic	0.1—1.0%
Preventing ageing cosmetic	0.05—0.5%
Beauty and whitening cosmetic	0.05—0.3%
4.Special cosmetic	
Sun—proof cosmetic	0.05—0.5%

SpecKare® TRHL02



Product Code: 120005
INCI Name: Trehalose
CAS NO: 6138-23-4

Propertie

- Low molecular mass, it can be absorbed easily by skin, it can protect skin from damage, improve skin antidesiccation and freezing tolerance ability.
- Trehalose to the cell surface to form a layer of special protective film, maintaining the original skin nutrition effective against skin aging and moisture to avoid sunburn and melanoma precipitation; precipitated mucus from the membrane can be mild moisturizing the skin, so skin sparkling, shiny, soft.
- Radiation-proof effect, OH scavenging activity.
- It can inhibit fatty acid decomposition, so it can be used in products that prevent body odor.
- Trehalose can inhibit the denaturation of protein, it can keep protein(SOD) and peptides activity.

Specification

Appearance	White powder
Identification	Comply with the standard
Assay(%)	≥98.0
Loss on drying(%)	≤1.5
Residue on ignition(%)	≤0.05
Chromaticity	≤0.100
Turbidity	≤0.05
Optical rotation D ₂₀	+197°~+201°
pH	5.0-6.7
Lead(Pb mg/kg)	≤0.5
As(mg/kg)	≤0.5
Total microbial count(cfu/g)	≤300
Molds and Yeasts(cfu/g)	≤100
Coliforms(MPN/100g)	Negative
Salmonella	Negative

Application:

It can be used in any formulation, cream, lotion, masks, essences, powder, shampoo, face cleaner, lipstick, oral care etc.

Recommend dosage:

1-10%.

Package:

20kg/Bag.

Storage:

Store in a cool, dry, well-ventilated area. Store away from direct sunlight. Keep humidity below 90%.

Shelf life:

30 months.



SpecKare® GSH



Product code: 110026
CAS No.: 70-18-8
INCI Name: Glutathione
Molecular Formula: C₁₀H₁₇N₃O₆S
Molecular Weight: 307.32

Application in cosmetic

Glutathione has recently been used as an inhibitor of melanin in the cosmetics industry. In countries like Japan and the Philippines, this product is sold as a skin whitening soap. GSH is a primary protectant of skin, lens, cornea, and retina against radiation damage. It is a biological antioxidant that helps protect cells from reactive oxygen species such as free radicals and peroxides.

Specification

Content	More than 98%
Appearance	White Crystalline powder
Appearance of solution	Clear and Colorless
Solubility	Freely soluble in water, very slightly soluble in ethanol

Dosage: 0.5-2.0%.

Safety Data

Skin sensitization 10% SpecKare® GSH, nonirritating (OECD 439)

Skin corrosion

0.5% SpecKare® GSH, non sensitizing (OECD 442E H-CLAT)

Eye irritation

5% SpecKare® GSH – non irritating (OECD 437 BOCP)

1% SpecKare® GSH – non irritating (CAMVA)

Mutagenicity

No positive result was found with all the test strains in the presence and absence with AMES test of metabolic activation system

Human skin irritation

None of 30 subjects has adverse reaction after patching test with 10% concentration.

SpecSufc® SC-M68



Product code: 200002
 INCI Name: Cetearyl Glucoside (and) Cetearyl Alcohol
 CAS No.: 246159-33-1/67762-27-0

Description

SpecSufc® SC-M68 is a emulsifier of vegetable origin
 It has liquid crystal structure, excellent emulsifying ability and emulsion stability
 It can be used in special cosmetics, like the depilatory cream.

Properties

- Excellent emulsifying ability and emulsion stability
- There is superior stability and viscosity in the cation surfactant system
- High chemical stability, it can be stabilized in strong acid or alkaline medium
- Effectively prevent the water of skin from losing
- High security, non irritant, no acne risk
- Excellent biodegradability

Application

- SC-M68 is nonionic glycosyl emulsifier, it has excellent biodegradability and natural, mild, safe. So it is can be used to all types of skin. Suitable for baby cream, anti-acne cream and other products.
 - It has excellent emulsifying ability. Its emulsion system is very stable. It has liquid crystal properties, it can produce a glittering and translucent and bright paste. Paste soft handfeel, moist and high hydration property. Suitable for mixed moisturizing cream,etc.
 - It has strong compatibility. It can be for high active formulations, such as: sunscreen formulation, fruit acid formulation,dyeing, hair removal and marcel formulation.
 - Recommend dosage
 - As the main emulsifying agent dosage: 3-5%,
 - As auxiliary emulsifier dosage: 1-3%.
- Adding emulsifier to the oil phase.It is recommended to use homogeneous equipment, homogeneous speed 3000 r/min.

Specification

Appearance(25 C)	White flake
PH(5% water)	4.0 - 7.0
Solid content(%)	98 ± 2
Acid value	≤ 1.0
Melting point(C)	61-65

Packaging: 20Kg/bag, Composite paper bag.

Storing: Stored in dry place.

Shelf life: 2 years.



SpecSufc® APG



Alkyl Polyglucosides (APG) are nonionic surfactants made from renewable raw materials-glucose derived from corn, and fatty alcohols from coconut and palm kernel oils. Alkyl Polyglucosides are very mild, low in toxicity, and readily biodegradable due to their natural chemistry.

Specification

Items	SpecSufc® APG0814	SpecSufc® APG1214	SpecSufc® APG0810	SpecSufc® APG8170	SpecSufc® APG225
C number	C8-C14	C12-C14	C8-C10	C8-C10	C8-C10
CAS No.	110615-47-9 68515-73-1	110615-47-9	68515-73-1	68515-73-1	68515-73-1
Appearance	Pale yellow viscous liquid	Pale yellow viscous liquid	Light yellow liquid	Pale yellow viscous liquid	Dark brown liquid
Solid (wt%)	≥50%	≥50%	≥50%	≥70%	≥70%
pH (25 C ,10% water solution)	11.5 ~ 12.5	11.5 ~ 12.5	11.5 ~ 12.5	11.5 ~ 12.5	11.5 ~ 12.5
Viscosity (25 C ,mPa*s)	≤2000	≥2000	≤500	≥2000	≥2000
Free fatty alcohol	≤1%	≤1%	≤1%	≤1%	≤1%
Ash	≤4%	≤4%	≤4%	≤4%	≤4%

Properties

- Nonionic surfactants, low surface tension, good foaming ability. The foams formed are fine, smooth and abundant, and stable.
- Good wettability, Strong decontamination.
- Good compatibility with other ingredients, and synergic effect with other surfactants, mild to skin, and reduce the irritation of cosmetic formulation system.
- No turbidity point, easily soluble in water, and high solubility even in high concentration of electrolyte, and easily be diluted, no gel phenomena. Tolerance to hard water.
- Non-toxicity, non-irritation.
- Environmentally friendly and completely biodegradable.

Application: Shampoo, bubble bath, cleaning lotion, skin care products, dishwashing detergents, cosmetic emulsifiers, hard surface cleaners, industrial cleaners, adjuvants for textile, pesticide.

Package: 220kg/ barrel(nw).

Storage: Shielded from light and keep closed.

Shelf life: 1 years.

Note: The product should be heated and stirred until uniform before use if crystallization or s edimentation occurs after a long time storage at low temperature.

Charcoal Powder



INCI Name: Charcoal Powder
CAS No.: 16291-96-6

Properties

- It can absorb minerals, toxins, impurities, and other harmful substances from your skin, leaving you with stronger, healthier skin.
- In addition, it helps rid of chemical from skin pores as exfoliate the dead skin cells and unpleasant odor, It will stimulate cells growth leaving your skin supple, delicate and smooth.
- Cleaning skin, Excellent for oily and acne prone skin types.

Specification

Origin	Trade name	Application	Functions
Bamboo charcoal	SpecKare® BCP Super(60000mesh)	mask, make ups	Color, replace Triiron tetraoxide
	SpecKare® BCP5(5000mesh)	Soap, mask, pack, facialfoam	Detoxifying and purify skin
	SpecKare® BCP3(3000mesh)	Soap, mask, pack, facialfoam	Detoxifying and purify skin
	SpecKare® BCP1(1000mesh)	Toothpaste	Abrasive & absorbing
Coconut shell activated powder	SpecKare® BCP02(200mesh)	Toothpaste	Abrasive & absorbing
	SpecKare® CAC3(3000mesh)	Toothpaste, tooth powder	whiten teeth while promoting oral health
White Powder (Perennial oak tree)	SpecKare® Binchotan3(3000mesh)	Cleaner, soap, shampoo	Increases oxygenation regeneration, deeply detoxifying
	SpecKare® SuperBinchotan (12000mesh)	Mask, pack	Increasesoxygenation regeneration and deeply detoxifying
Colored Charcoal bead	White charcoal(25-35mesh)	Face wash or toothpaste	Absorb oil and bad odor
	Black bead(25-35mesh)	Face wash or toothpaste	Absorb oil and bad odor
Charcoal liquid	Charcoal liquid(tailor made)	Eyeline	Color, replace Triiron tetraoxide
Food grade	Vegetable carbon lum(12000mesh)	Bread/ice cream/sugar/biscuits /snacks/beverages, drinks	Detoxifying and purify skin
Industrial grade	lum charcoal	Painting	Air-purification

Application(Health & Beauty)

- Soap, mask, pack, facial foam, bath powder. Toothpaste, shampoo, etc products.
- Water Purification in water bath.

Recommend dosage: 0.1-1.5%.

Package: 1kg/bag, 20kg/carton.

Storage: Cool and protect from light and high temperature.

Shelf life: 3 years.

SpecPure® PPN60



Product code: 160004
CAS No.: 9001-73-4
EINECS No: 232-627-2
INCI Name: Papain
Synonym: Papaya peptidase I; Papainase; Papaine
Type: Cysteine proteinase
Activity: 60.0000 u/g min

Overview

1. Papain is an endolytic cysteine protease which is isolated from papaya latex. The papain has strong biological activity and the decomposing ability of protein.
2. Papain has the characteristic of high enzyme activity and strong thermal stability.
3. Papain is safe and sanitary to use as well. It has been extensively applied in numerous industries, such as food, cosmetics, pharmaceutical and health care, household chemical products, feeds.

Beauty and Cosmetic Industry

Add papain into protein and grease included cosmetic products can whiten and smooth skin, lighten freckles and remove grease, accelerate blood circulation, improve skin function, and enhance product quality. It can also be integrated into diet tea and beauty products.

Appropriate Using Conditions

Temperature: 35-75 °C (suitable value is 50-55 °C).

pH: 3-9 (suitable value is 6.0-7.0).

The best suitable conditions vary according to the sort and concentration of substrate.

The interpolative amount is among 0.1-0.3% (1000- 3000u/g protein).

Caution

As a bio-active substance, it is easily inhibited or destroyed by heavy metals (such as Fe³⁺, Cu²⁺, Hg²⁺, Pb²⁺ etc.) and oxidant. So should prevent from coming into contact with them.

Recommend dosage: 0.1-0.3% (1000- 3000u/g protein).

Storage: Recommend to store at low temperature and protected from light.

Package: 1kg/Aluminum foil bag.

SpecPure® BML



Product code: 160013
 CAS No.: 9001-00-7
 EINECS No.: 232-572-4
 INCI name: Bromelain
 Synonym: Pineapple enzyme; Stem bromelain; Bromelase; Pinase

Properties

Bromelain is a type of pure natural plant protease obtained through extracting from pineapple's stem, leaf, and peel, refining, purifying, concentrating, enzyme immobilization, and freeze drying. Bromelain has outstanding effect on skin smoothening and whitening, as well as freckle eliminating.

Bromelain can work on aged stratum corneum of human skin, causing it to retreat, degrade, and peel off; it can stimulate skin's metabolism and reduce skin darkening caused by the sun, keeping it smooth, tender, and bright.

Specification

Appearance	Off white to pale yellow powder
Odor	Characteristic smell of Pineapple
Activity	60.0000 u/g min
	10.0000 u/g min
	120.0000 u/g min

Appropriate Using Conditions

Temperature: 30-45°C.
 pH: 6.0-6.8.
 The interpolative amount is 0.2-1.0%.

Caution

As a bio-active substance, it is easily inhibited or destroyed by heavy metals (such as Fe³⁺, Cu²⁺, Hg²⁺, Pb²⁺ etc.) and oxidant. So should prevent from coming into contact with them.

Storage: Recommend to store at low temperature and protected from light.

Package: 1kg/Aluminum foil bag.

SpecPure® HE

Product Code: 160010
 INCI Name: Hydrolyzed elastin
 CAS.No.: 100085-10-7
 EC.No: 293-509-4

Character

Hydrolyzed elastin is known for being a great moisturizing and conditioning ingredient. It is a highly elastic protein in connective tissue and allows many tissues in the body to resume their shape after stretching or contracting. Hydrolyzed elastin helps skin to return to its original position when it is poked or pinched. And it is also an important load-bearing tissue in the bodies of vertebrates and used in places where mechanical energy is required to be stored. Hydrolyzed elastin can improve the glossiness, and makes hair easier to comb.

Specification

Items	Standards
Appearance	Light yellow powder
Protein	Not less than 80.0%
pH	4.5 ~ 6.5
Moisture	Not more than 5.0%
Total plate count	Not more than 1000 cfu/g
Coliforms	Not more than 30 MPN/100g
Yeast & Mould	Not more than 50 cfu/g
Pathogen	Negative
Lead	Not more than 1.0 mg/kg
Mercury	Not more than 0.3 mg/kg
Arsenic	Not more than 0.5 mg/kg

Application: Cream, facial cleanser, body condition, shampoo and hair conditioner.

Dosage: 0.5-5 %.

Shelf life: 1 year.

SpecKare® CB



Product Code: 170014
INCI Name: Cetrimonium Bromide
CAS No.: 57-09-0
EC No.: 200-311-3

Function

- SpecKare® CB is quaternary ammonium salts used as cosmetic biocides, antistatic agents, surfactant cleansing agents, surfactant-emulsifying agents, and surfactant-suspending agents in cosmetic products.
- SpecKare® CB is an ammonium salt used in hair and skincare products. It prevents static build-up that causes flyaway hair. It is stable at acidic pH, with an optimum biocide pH(4-10)

Specification

Appearance	White powder
Assay %	99.0% Min.
pH (5%)	6 ~ 8
Moisture %	0.5 Max.
Free amine %	0.5 Max.
Ash %	0.1 Max.
Heavy metals	5 PPM Max.

Application

Cosmetic biocide
Antistatic agents
Surfactantcleansing agents
Surfactant-emulsifying agents
Surfactant-suspending agents in cosmetics

Package: 20kg/Drum.

Storage: Store in a cool, dry, well-ventilated area away from incompatible substances.

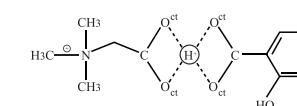
Shelf life: 2 years.



SpecKare® BSA

Product Code: 120017
INCI Name: Betaine Salicylate
CAS NO.: 17671-53-3
Molecular Formula: $C_{12}H_{17}NO_5$
Molecular Weight: 255.27

Structural Formula



Properties

Betaine salicylate combines perfectly the benefits of salicylic acid with the unique and gentle skin improvement properties, it can improve skin conditions widely, that has antimicrobial properties and exfoliating, moisturizing functions.

Specification

Appearance	White powder
Odor	Characteristic
Assay(wt%)	> 98
pH(1% Aqua)	2.0-5.0
Residue on Ignition(wt%)	< 0.15
Heavy metal(ppm)	< 10
Total Plate Count (cfu/g)	< 1000
Yeast & Mold(cfu/g)	< 100
E.Coli(cfu/g)	Negative
Pseudomonas aeruginosa	Negative
Staphylococcus aureus	Negative

Applications

Anti-acne and Anti-microbial Formulations;
Exfoliation Applications with Anti-Irritation Claims;
Leave-on and Rinse-off Applications.

Dosages: 0.5 %–4.0 %.

